



S/N 09/828,460

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: William Mass et al.

Examiner: Khan, Omar

Serial No.: 09/828,460

Group Art Unit: 3762

Filed: April 6, 2001

Docket: 279.308US1

Title: Passive Telemetry System for Implantable Medical Device

6/1/02
B. Webb
11/27/02

AMENDMENT AND RESPONSE

RECEIVED

Commissioner for Patents
Washington, D.C. 20231

NOV 25 2002

TECHNOLOGY CENTER R3700

Sir:

Applicant has reviewed the Office Action dated August 14, 2002 and responds as follows.

IN THE CLAIMS

Please replace claims 1, 3, 4, 6 – 12 and 14 – 17 with their corresponding claims in the appendix entitled "Clean Version of the Amended Claims." The replacement claims are intended to reflect the specific amendments as detailed in the following marked up set of claims.

1. (Once Amended) A telemetry system for enabling [data] transfer of message data from an implantable medical device to an external device, comprising:

[an external device having] an antenna and a transmitter coupled to the external device for transmitting a radio-frequency carrier signal to [an antenna of] the implantable device;

an antenna incorporated as part of the implantable device;

[an implantable device having an antenna and] a tuning circuit incorporated as part of the implantable device for adjusting the impedance of the implantable device antenna in a time varying manner so as to phase modulate [a] the radio-frequency carrier signal reflected therefrom in accordance with [a digital data signal] the message data; and,

a receiver [in] coupled to the external device for receiving the phase modulated carrier signal reflected from the antenna of the implantable device and extracting the [digital data signal] message data therefrom.

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